

Saint Petersburg State University of Information Technologies, Mechanics and Optics presentation template

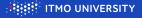
First A. Author¹

Second A. Author²

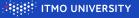
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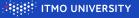


Theorem 1 For a prime p and $a \in \mathbb{Z}$ it holds that $a^p \equiv a \pmod{p}$.

Proof. The invertible elements in a field form a group under multiplication. In particular, the elements

$$1, 2, \ldots, p-1 \in \mathbb{Z}_p$$

form a group under multiplication modulo p. This is a group of order p-1. For $a\in\mathbb{Z}_p$ and $a\neq 0$ we thus get $a^{p-1}=1\in\mathbb{Z}_p$. The claim follows.



Example 1 The function $\phi\colon\mathbb{R}\to\mathbb{R}$ given by $\phi(x)=2x$ is continuous at the point $x=\alpha$, because if $\epsilon>0$ and $x\in\mathbb{R}$ is such that $|x-\alpha|<\delta=\frac{\epsilon}{2}$, then

$$|\phi(x) - \phi(\alpha)| = 2|x - \alpha| < 2\delta = \epsilon.$$



Sometimes it is useful to highlight certain words in the text.

Important If a lot of text should be highlighted, it is a good idea to put it in a box.

It is easy to match the colour theme.



- Fancy lists are marked with a number inside a circle.
- Color of list changes by parameter [color=ITMOMango].
 - Bullet lists are marked with a red box.
 - 1. Numbered lists are marked with a white number inside a red box.



1. Effects that control

- 2. when text is displayed
- are specified with <> and a list of slides.

Theorem 2

This theorem is only visible on slide number 2.

Use textblock for arbitrary placement of objects.

It creates a box with the specified width (here in a percentage of the slide's width) and upper left corner at the specified coordinate (x, y) (here x is a percentage of width and y a percentage of height).

Mathematics Highlighting Lists Effects 7/7



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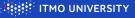
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